



Bentley SewerCAD V8i SELECTseries 3 Readme

This Readme contains the following information:

- [“What’s New”](#)
- [“Product Tech Notes and FAQs”](#)
- [“Installation Requirements”](#)
- [“Installation Instructions”](#)
- [“Product Activation”](#)
- [“Support Information”](#)

What’s New

The following outline identifies new features and enhancements in this release of Bentley SewerCAD V8i SELECTseries 3.

- **Data Management**
 - **Unified schema and one common data file format:** In addition to SewerCAD projects, users have the ability to open other Bentley storm and sewer (CivilStom, SewerGEMS, StormCAD) projects within SewerCAD and save them in one common data file format.
 - **Automated field filters:** Input and results fields are automatically filtered according to the numerical solver used.

- **Keyword search in property grid:** Users can find the property they want quickly in the property grid using keyword search.
- **Selection based filtering in inflow and sanitary loading control centers:** Users can filter the Inflow and Sanitary Loading Control Centers based on the current selection of node elements.
- **More user control in DXF export:** SewerCAD offers more control over layer/level assignment during DXF export.
- **Bentley DTM support in TREX:** In addition to previously supported file formats, the TREX tool in SewerCAD now supports the Bentley DTM file format.
- **Solver Update**
 - **HEC-22 inlet calculations:** HEC-22 inlet capture efficiency calculations can be performed when using the enhanced SWMM solver in SewerCAD with the added ability to handle flow backup from the subsurface piping out through the inlet.
 - **Pond support in GVF solvers:** GVF solvers now support ponds as elements.
 - **Enhanced element type support:** SewerCAD has the ability to handle all element types, gravity as well as pressure.
 - **Inlet controlled culvert support in GVF solvers:** The GVF-Convex solver now supports inlet controlled culverts.
 - **Unified inflow support in GVF solvers:** The GVF-Convex solver now supports dry and wet weather inflow loading.
- **Hydraulics**
 - **Low Impact Development (LID) elements:** Low-impact development (LID) controls can now be analyzed in SewerCAD.
 - **Support for cross section catalog referencing:** Users can use catalog referencing when setting up channel data through cross section property grid.
 - **HEC-22 3rd Edition headloss:** Node headloss calculations in accordance with HEC-22 3rd Edition are now available in SewerCAD.
 - **Improvements to calculation options:** Additional calculation options give users the ability to apply global settings in one location and simplifies model setup. SewerCAD allows user input for the convex coefficient to achieve convex routing improvements.
- **Easier Model Management**
 - **Additional flexibility in model layout:** SewerCAD offers more flexibility to users in connecting different element types and morphing of one element type into another.

- **Improved user notifications:** Users can quickly fix modeling errors using the improved user notifications.
 - **Common category in graphing:** SewerCAD offers a new category of common graph properties for each element type to enable the user to quickly find and use the most commonly graphed properties.
 - **New Compute Center:** Users can now perform all actions related to model runs through one common location using the Compute Center.
 - **Improved flex tables field selection:** Users can choose to display fields specific to the active numerical solver or all fields available in the product.
 - **Improved controls conflict handling:** SewerCAD handles controls conflict better with improved validation and user notifications.
 - **Updated pump station flex table:** Users can edit the Pump collection field from the Pump Station flex table.
 - **Profiling support for virtual elements and diversions:** Users can now generate profiles for virtual links and diversions.
- **Enhanced Interoperability**
 - **Updated support for MicroStation:** Users can run SewerCAD from within MicroStation V8i (SELECTseries 3).
- Note:** A MicroStation license is required - if you don't have a MicroStation license, you can choose to run SewerCAD in its stand-alone mode.
- **Updated support for AutoCAD:** Users can run SewerCAD from within AutoCAD 2013 (32- and 64-bit).
- Note:** An AutoCAD license is required - if you don't have an AutoCAD license, you can choose to run SewerCAD in its stand-alone mode.
- **i-model publishing:** SewerCAD can now publish i-models (containers for the open exchange of infrastructure information) in 2D or 3D.
 - **View associations for MicroStation:** Users can now open multiple different views of the model simultaneously within MicroStation.
 - **Interoperability with other Bentley products:** SewerCAD now offers support for interoperability with the latest releases of InRoads, GeoPAK, LandXML, Bentley MX Drainage, and ProjectWise.

Product Tech Notes and FAQs

Product Tech Notes and answers to frequently asked questions about SewerCAD V8i can be found on the Be Communities website:

http://communities.bentley.com/products/w/products_wiki/product-technotes-and-faqs.aspx

Installation Requirements

Installation requirements include:

A CD drive or access to the Internet required for product installation. The minimum system configuration for installation:

- **Operating System:**
 - Windows XP SP3 (32 bit)
 - Windows 7 (32 bit/64 bit)
 - Windows Vista SP2 (32 bit/64 bit)
 - Windows 2008 Server (32 bit/64 bit)
 - Windows 2008 Server R2 (64 bit only)
 - Windows 8 (32/64 bit)
 - **Software Prerequisites:**
 - Microsoft .NET Framework version 3.5 (Installer will attempt to download and install this prerequisite if it is not present during installation)
 - **Platform Requirements:**
 - Bentley SewerCAD V8i SELECTseries 3 does not require any additional CAD or GIS software to work as a stand alone application. However SewerCAD V8i can run on the following platform (if available):
 - MicroStation V8i SELECTseries 3
 - AutoCAD 2013 (32 bit/64 bit)*
 - AutoCAD 2012 (32 bit/64 bit)*
- * (SewerCAD V8i for AutoCAD license required)

While SewerCAD V8i was tested on these versions of platform software, it may run on earlier or later releases. However, if users want to use earlier versions of platform software, it may be advisable to use an older version of SewerCAD V8i .

- **ProjectWise Support:**
 - SewerCAD V8i is compatible with ProjectWise V8 XM Edition or later.
- **SELECTserver:**
 - Bentley SewerCAD V8i SELECTseries 3 requires SELECTserver XM Edition or later and will not run with SELECTserver 2004 Edition.

Minimum Profile

The minimum recommended workstation profile for running SewerCAD V8i (e.g., for simple systems) is:

- **Processor:** As per minimum operating system requirements.
- **RAM:** As per minimum operating system requirements.
- **Hard Disk:** The software itself requires approximately 300 Megabytes (MB) of disk space for installation, and approximately 350 Megabytes (MB) of disk space for optional lesson and sample files. Additional space is also required for user model and data files.
- **Display:** As per minimum operating system requirements.

When running SewerCAD V8i in the AutoCAD or Microstation platforms, the minimum requirements are superseded by the minimum requirements listed for those platforms.

Installation Instructions

To install Bentley SewerCAD V8i SELECTseries 3:

1. In an Explorer window, double-click the SewerCAD V8i set-up executable.
2. In the **Setup Wizard...** dialog that appears click the **Next** button.
3. After reading the License Agreement, click the "**I accept the terms in the license agreement**" radio button if you understand and agree to the License Agreement Terms and Conditions, then click **Next**. Click **Cancel** if you decline the License Agreement Terms and Conditions (note that agreeing to the License Agreement is required in order to install the product).

4. To install this product to the default directory (C:\Program Files\Bentley\Bentley SewerCAD V8i SELECTseries 3) click **Next**. To change the location that Bentley SewerCAD V8i SELECTseries 3 is installed,
 - a. Click **Browse**.
 - b. The **Change Destination Folder** dialog box opens.
 - c. Enter the path or browse to the drive and directory where you wish to install the product or workspaces. Then click **OK**.
5. Click the **Install** button to begin the installation.
6. After the installation has completed, the final step of the wizard appears. To activate the product immediately, check the **Launch the Product Activation Wizard...** box and click **Finish**. See [“Product Activation”](#) for more details.

Product Activation

Product activation is achieved by connecting to a SELECT Server, receiving a verification that your SELECT Server Name and Activation Key are correct, and successfully posting Usage logs. Product activation is not the same as checking out a license. This document describes how to configure Bentley SewerCAD V8i SELECTseries 3 for activation. After initial configuration, Bentley SewerCAD V8i SELECTseries 3 automatically and transparently tries to activate each time it runs, and runs unconstrained for a period of 30 days after its last successful activation. However, if activation is unsuccessful for a period of 30 days, Bentley SewerCAD V8i SELECTseries 3 runs in unregistered mode with limited functionality.

Activating a product using the Product Activation Wizard

The Product Activation Wizard is designed to step users through the product activation process. After a product is installed, you must obtain a license and then activate that license. Obtaining the license alone is not enough to complete the process. This wizard eliminates the confusion and makes it clear that obtaining a license and activating a product are two essential steps.

If you checked the **Launch the Product Activation Wizard...** during the installation process the **Product Activation Wizard** opens automatically. See [“Installation Instructions”](#) for more information on installing Bentley SewerCAD V8i SELECTseries 3.

You can also access the **Product Activation Wizard** from within the **License Management Tool**. The shortcut for the **License Management Tool** can be found in the **Bentley/SewerCAD V8i** shortcut submenu. After the **License Management Tool** opens, click the **Tools** menu and select **Product Activation Wizard**.

The first screen of the Product Activation Wizard offers 4 product activation options:

- [“SELECT subscribers with a deployed \(local\) SELECT Server”](#)
- [“SELECT subscribers activating against a hosted \(Bentley\) SELECT Server”](#)
- [“NON-SELECT user”](#)
- [“Evaluation Only - No license information”](#)

The wizard steps you through the activation process based on the options selected.

SELECT subscribers with a deployed (local) SELECT Server

If you are activating against a local SELECT Server, you must provide the proper Server Name and Activation Key. The Server Name and Activation Key, along with any proxy configuration information, can be obtained from your Site Administrator.

1. Enter the name of the server in the **Server Name** field.
2. Enter the site activation key in the **Site Activation Key** field.
3. If you are using HTTPS, enable the **HTTPS (SSL)** check box.
4. If you are using a Proxy server to connect to the hosted SELECT Server, click the **Proxy** button and fill in the **Proxy Server** information then click **OK**.
5. Click **Test Connection** to verify the connection to the SELECT Server.
6. Click **Next**. The **Wizard Selections** dialog box displays the information provided on the previous dialog boxes.
7. Review the information and click **Finish** to activate the product.

Important note for System Administrators: Bentley SewerCAD V8i SELECTseries 3 will not run with Bentley SELECT Server 2004 Edition (V8.5.2 and earlier). The latest version of Bentley SELECT Server can be obtained from the [Downloads/MySELECT CD](#) area of [SELECTservices Online](#). Please note that you will need to obtain a new license file if you upgrade to a newer version of Bentley SELECT Server. Contact the [Bentley Sales Support Center](#) that services your area for information on upgrading your current Bentley SELECT Server license file.

SELECT subscribers activating against a hosted (Bentley) SELECT Server

If you are activating against a hosted (Bentley) SELECT Server, the Server Name is pre-populated but you must provide the proper Activation Key provided by the [Bentley Sales Support Center](#).

1. Enter the site activation key in the **Site Activation Key** field.
2. If you are using HTTPS, enable the **HTTPS (SSL)** check box.

3. If you are using a Proxy server to connect to the hosted SELECT Server, click the **Proxy** button and fill in the **Proxy Server** information then click **OK**.
4. Click **Test Connection** to verify the connection to the SELECT Server.
5. Click **Next**. The **Wizard Selections** dialog box displays the information provided on the previous dialog boxes.
6. Review the information and click **Finish** to activate the product.

NON-SELECT user

If you are not a Bentley SELECT subscriber and you are activating SewerCAD V8i , you are presented with three options:

- [“I have a license file ready to import”](#)
- [“I have an activation key”](#)
- [“I do not have any license information”](#)

I have a license file ready to import

1. Enter the path to your license file (or Browse to the location of your license file) in the **License File** field.
2. Click **Next**. The **Wizard Selections** dialog box displays the information provided on the previous dialog boxes.
3. Review the information and click **Finish** to activate the product.

I have an activation key

1. Enter the site activation key in the **Site Activation Key** field.
2. If you are using HTTPS, enable the **HTTPS (SSL)** check box.
3. If you are using a Proxy server to connect to the hosted SELECT Server, click the **Proxy** button and fill in the **Proxy Server** information then click **OK**.
4. Click **Test Connection** to verify the connection to the SELECT Server.
5. Click **Next**. The **Check out license now?** page displays.
6. Enter your Email address in the **Email Address** field.
7. Select the product to be activated (if not pre-populated) in the **Product Name** field.
8. Enter the product version number (if not pre-populated) in the **Product Version** field.

9. Click **Next**. The **Wizard Selections** dialog box displays the information provided on the previous dialog boxes.
10. Review the information and click **Finish** to activate the product.

I do not have any license information

1. The product will run in evaluation mode.
2. Click **Go To Bentley.com** to request activation information.

Evaluation Only - No license information

1. The product will run in evaluation mode.
2. Click **Go To Bentley.com** to request activation information.

Important note: If the workstation on which Bentley SewerCAD V8i SELECTseries 3 will be running does not have regular network access for periodic activation (at least every 30 days), then consider utilizing a checked-out license. Checked-out licenses are considered to be in full-time use and Bentley SewerCAD V8i SELECTseries 3 will not attempt to post usage for the duration of the license term. Please see the Bentley SewerCAD V8i SELECTseries 3 documentation for details on obtaining a checked out license.

Support Information

TechNotes, FAQs and additional Bentley product information can be found on the BE Communities Wiki page: http://communities.bentley.com/products/w/products_wiki/product-technotes-and-faqs.aspx.

Log issues that you encounter with Bentley products using the Service Ticket Manager: www.bentley.com/serviceticketmanager.

Known Issues

Docking Windows in the AutoCAD Platform:

Occasionally when SewerCAD V8i windows are first docked in the AutoCAD platform the window width is set to zero. The user must manually resize these windows before they become visible by dragging the border on the far left of the main AutoCAD application window.

